| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |

Application No.

09/785,650

Examiner

Jakieda R Jackson

Applicant(s)

COOPER ET AL.

Art Unit

2655

√ Rejected
= Allowed

\_\_\_\_(Through numeral) Cancelled

Restricted

N Non-Elected
I Interference

A Appeal
O Objected

| Cla      | aim Date |          |  |               |   | Cla     | aim                | Date     |          |          |          |  | Cla      | aim  | Date    |                 |          |     |       |          |                |               |          |          |          |               |          |              |          |
|----------|----------|----------|--|---------------|---|---------|--------------------|----------|----------|----------|----------|--|----------|--|---------|-----------------|----------|-----|-------|----------|----------------|---------------|----------|----------|----------|---------------|----------|--------------|----------|
| Final    | Original | 12/14/04 |  |               |   |         |                    |          |          | Final    | Original |  |          |  |         |                 |          |     | Final | Original |                |               |          |          |          |               |          |              |          |
| -        | 1        | 1        |  | +             | +   |         | $\vdash$           |          | 4::::    |          | 51       | <del></del>                                      | +        |  | +       |                 | -        | -   |       | 101      | +              | +-            | +        | +        |          | 4             | -        | +            | $\dashv$ |
|          | 2        | √        | $\vdash$   | +-            | +   | +       | ++                 | +        | 1:::     |          | 52       |  |          | $\vdash$   | ┰       | $\vdash$        | -        | ŀ   |       | 102      | <b>-</b>       |               | +        | _        | $\dashv$ | $\neg +$      | -+       | +            | $\dashv$ |
|          |          |          |  | +             | -   | +       | -                  |          | -        |          | 53       |  | +        |  | +       | $\vdash$ +      |          | 1   |       | 103      |                | +             | +        | +        | +        | +             | -        | -+           | $\dashv$ |
|          | 3        | 1        |  | 4             |   |         | $\vdash$           | _        | -        |          |          |  |          | $\vdash$   |         | $\vdash$        | -1::     | -   |       | 104      |                |               | +        | +        | -+       | $\dashv$      | -        | +            | $\dashv$ |
| <u> </u> | 4        | 1        | ⊢⊢.  | _             | _   | _       | 4-4                | _        | _        | <u> </u> | 54       |  |          | ├  |         | $\vdash$        |          | -   |       |          |                |               | +        | -+       | $\dashv$ |               | -+       | +            | $\dashv$ |
|          | 5        | 1        |  | _             | $\perp$   | 4       | $\perp$            |          | _ ::::   | <u> </u> | 55       | <b>├</b>   |          | $\vdash$   | -       | -               | -4       |     |       | 105      |                | -             | 4        | +        | -        | $\rightarrow$ | -        |              |          |
|          | _6       | √        |  | _             | $\perp$   |         | 1                  |          | _        |          | 56       |  |          |  | _       | $\vdash$        | -        |     |       | 106      |                |               |          |          | 4        |               | $\dashv$ | $\dashv$     |          |
|          | 7        | 1        |  |               |   |         | 1 1                |          | 4        |          | 57       |  |          |  |         | $\perp$         | _        | 1   |       | 107      |                | +             | -        |          | 4        | -             |          | 4            | _        |
|          | 8        | √        |  |               |   | $\perp$ | 1_1                |          | _[::::   |          | 58       |  |          | $\sqcup$   |         | $\sqcup \bot$   | _        | ,   |       | 108      |                |               | _        | _        | _        | _             | 4        | _            |          |
|          | 9        | -        |  |               |   |         |                    |          | _        |          | 59       |  | Ш.       |  |         | $\Box$          | _        |     |       | 109      | _              |               | _        |          | $\perp$  | _             | _        | $\dashv$     |          |
|          | 10       | √        |  | 1             |   |         |                    |          |          |          | 60       |  |          |  |         |                 |          |     |       | 110      |                |               |          |          |          | _             |          | _            |          |
|          | 11       | 1        |  |               |   |         | $\Box$             |          | ╛        |          | 61       |  | <u> </u> |  |         | Ш               |          |     |       | 111      | $\perp$        | _ _           | _        | $\perp$  | $\dashv$ |               |          | $\dashv$     |          |
|          | 12       | V        |  | f             |   |         |                    |          | _        | L        | 62       |  |          |  |         | $\perp$         | _        |     |       | 112      |                |               | $\perp$  |          | $\perp$  | _             |          | ightharpoons |          |
|          | 13       | 1        | $\Box \Box$                                      |               |   |         |                    |          | _        |          | 63       |  |          | $\sqcup$   |         | $\sqcup$        | _        | - [ |       | 113      |                | _             |          | $\perp$  | _        |               |          | $\dashv$     |          |
|          | 14       | 1        |  |               |   |         |                    |          | _        | L        | 64       |  |          | $\Box$   |         |                 |          |     |       | 114      |                |               | $\perp$  |          | _        | _             |          | $\perp$      |          |
|          | 15       | V        |  |               |   |         |                    |          |          |          | 65       |  | Ι.       |  |         |                 |          |     |       | 115      |                |               | ᆚ        |          |          |               | _1       |              |          |
|          | 16       | 1        |  |               |   |         |                    |          | 1        |          | 66       |  |          |  |         |                 | _        | [   |       | 116      |                |               |          |          |          |               |          | $\perp$      |          |
|          | 17       | V        |  |               |   |         |                    |          | 7        |          | 67       |  |          | $\Box$   |         |                 |          |     |       | 117      |                |               |          |          |          |               |          |              |          |
|          | 18       | 1        | $\Box$   | 十             | 7   |         |                    |          | 7        |          | 68       |  |          |  |         |                 |          |     |       | 118      |                | 777           |          |          |          |               |          |              |          |
|          | 19       | 1        | 1  | $\top$        | +   |         | 1                  | $\neg$   |          |          | 69       |  |          |  | T       |                 |          | Ī   |       | 119      |                |               | T        |          |          |               |          |              |          |
|          | 20       | 1        | $\vdash$   |               | +   | -       |                    |          |          |          | 70       |  |          | П  |         |                 |          | Ī   |       | 120      |                | $\neg \vdash$ |          |          |          |               |          |              |          |
|          | 21       | V        | $\vdash$   | _             | +   | $\top$  | $\dagger \lnot$    |          | -        |          | 71       |  | <u> </u> |  |         |                 |          |     |       | 121      |                |               |          |          |          |               |          | $\neg$       |          |
|          | 22       | V        | H+   | +             | +   | +       | 1 1                |          | 1        |          | 72       |  |          | m  |         |                 | -        |     |       | 122      |                | $\top$        | _        | T        | T        |               |          | $\neg$       |          |
| -        | 23       | ├÷       |  | -             |   | _       |                    | +        | ٦        | -        | 73       |  | -        |  |         | $\vdash$        |          | 1   |       | 123      |                | $\dashv$      | 寸        |          |          |               | 寸        | T            |          |
|          | 24       | 1        |  | +             | +   |         | +                  | -        | 1        |          | 74       | <del>                                     </del> | +        | 1  | +       | $\vdash$        | -1:      | ŀ   |       | 124      |                |               | $\dashv$ |          |          |               | $\dashv$ | _            |          |
|          | 25       | 1        |  | -             | +   | 1.      | 1                  |          | -        |          | 75       | <del></del>                                      | +        |  | _       | $\vdash$        | -        | ľ   |       | 125      | $\neg \dagger$ |               | $\top$   |          | 寸        | _             | $\dashv$ | 寸            |          |
|          | 26       | V        |  | +             | +   | +       | +                  | $\dashv$ | -        | -        | 76       |  |          | H  | -       | H               | -        | ł   |       | 126      | $\dashv$       |               | 十        | 寸        | _        | T             | _        | 十            | _        |
|          | 27       | V        |  | +             | +   |         | +                  | -+       | -        |          | 77       | <del>-   -  </del>                               | +        | $\vdash$   |         | <del>  -</del>  |          | ŀ   |       | 127      | -              | +             | $\dashv$ |          | -        | $\neg$        |          | _            |          |
|          |          | V        |  | +             | +   |         | +                  |          | -        |          | 78       |  | +        | +-+  | +       | H               | -        | ŀ   |       | 128      | -              | +             | 十        | +        | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$     |          |
|          | 28       |          |  | +             |   |         | +                  |          | -        | -        | 79       | ++   |          |  | _       | $\vdash$        | -10      | 1   |       | 129      |                |               | $\dashv$ | -+       | $\dashv$ |               | -+       | $\dashv$     |          |
|          | 29       | 1        |  | -             | -   |         | +-+                | -        | -        |          |          |  |          | ╁  |         | $\vdash$        |          | 1   |       | 130      |                |               | -+       | $\dashv$ | $\dashv$ |               | $\dashv$ | $\dashv$     |          |
|          | 30       | V        | +  | +             | +   | +       |                    | -        | -        | -        | 80       | <del></del>                                      |          | $\vdash$   | +       | $\vdash$        | -        |     |       | 131      |                |               | $\dashv$ | +        | $\dashv$ | -             | _        | $\dashv$     |          |
|          | 31       | 1        | $\vdash$   |               | +   |         | +                  |          | 4        |          | 81       |  |          |  |         | $\vdash$        | -1       |     |       | 132      |                |               | +        | $\dashv$ | -        | $\dashv$      | -        | $\dashv$     | _        |
|          | 32       |          | <del>                                     </del> | -             | +   | - -     | +                  | _        | 4        |          | 82       | ++   | +        | ╌  | +       |                 |          |     |       |          | $\rightarrow$  | -+-           | -+       | -        | -+       |               |          | -+           |          |
|          | 33       | ₩        | <del> </del>  -                                  | +             | -   | -       | +                  |          | 4        |          | 83       |  |          | $\vdash$   | -       | $\vdash$        | -1:      |     |       | 133      |                |               | $\dashv$ | $\dashv$ |          | $\dashv$      | -        | $\dashv$     |          |
|          | 34       | ļ        | $\vdash$   | -             | +   |         | 4                  | $\dashv$ | 4        | -        | 84       | +++  | +        | <del>                                     </del> |         | ₽               | $\dashv$ |     |       | 134      |                | $\dashv$      | +        | $\dashv$ | -        |               |          | $\dashv$     | _        |
|          | 35       | $\vdash$ | -  | +             | - -   | +       | +                  |          | 4        |          | 85       | +++  |          | $\vdash$   | +       | <del>}</del> -} |          |     |       | 135      | $\dashv$       |               | -+       | $\dashv$ | $\dashv$ | $\dashv$      | -        | $\dashv$     |          |
| <u></u>  | 36       | 1        | 11-  | _             | - -   | -       | +                  | -        | $\dashv$ |          | 86       | ++   | -        | $\vdash$   | +       | ₩               | $\dashv$ |     |       | 136      |                |               | +        | $\dashv$ |          | $\dashv$      | -        | $\dashv$     | _        |
|          | 37       | ļ        | 1  | 4             | _   | +       |                    | -+       | 4        | ļ        | 87       | <del>   - </del>                                 |          | +  | _       | <b>├</b> ─┼     | $\dashv$ |     |       | 137      | $\sqcup$       |               | -        | $\dashv$ | $\dashv$ |               | $\dashv$ |              |          |
| -        | 38       |          | <b> </b>  _                                      | $\bot$        | $\perp$   |         | +                  |          | 4        | <u></u>  | 88       | <del>                                     </del> | $\bot$   |  |         | $\sqcup$        | _        |     |       | 138      |                | _ -           | -+       | $\dashv$ | -        | $\dashv$      | $\dashv$ |              |          |
| L        | 39       | L        | $\downarrow \downarrow$                          |               | $\perp$   | 4       |                    | $\perp$  | 4        |          | 89       | $\sqcup \sqcup \bot$                             |          | $\sqcup$   |         | <b>├</b> ─-├    | _        |     |       | 139      | $\vdash$       | _             |          | -        | $\dashv$ | -             | _        |              |          |
|          | 40       | L        | $\sqcup \bot$                                    | $\perp$       |   |         | $\bot$             |          | _        |          | 90       | $\bot \bot \bot$                                 | $\bot$   |  |         | $\sqcup$        | _        |     |       | 140      | Ш              | _ -           | _        |          |          |               |          | -            | _        |
|          | 41       | L        |  | $\perp$       | $\perp$   | $\perp$ |                    |          | _        |          | 91       | $\sqcup \sqcup \sqcup$                           |          | $\perp \perp$                                    |         |                 | _        |     |       | 141      |                |               | _        | _        | _        |               | _        | _            | _        |
| L        | 42       | L        |  |               | _ _   | $\perp$ | $\perp \perp$      | $\perp$  | _        | L        | 92       |  |          | $\sqcup$   |         | $\sqcup$        |          |     |       | 142      |                | _ _           |          | _        | _        |               | _        | $\dashv$     | _        |
|          | 43       |          |  |               | ᆚ   | $\perp$ | $\perp$            | $\perp$  | _        | L        | 93       |  |          | $\perp \perp$                                    | $\perp$ | $\sqcup$        | _        |     |       | 143      | Ш              | $\perp$       | _        | _        | _        | _             |          | _            |          |
| L_       | 44       |          |  |               |   |         | $\perp$            |          | _        | L        | 94       |  | $\perp$  | $\sqcup$   | $\perp$ |                 |          |     |       | 144      | Ш              |               | _        | _        |          | _             |          | _            |          |
|          | 45       | L        | $\Box$   | $\Box$        | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Gamma}}}$ |         | $oldsymbol{\perp}$ |          |          |          | 95       |  |          |  |         | Ш               |          |     |       | 145      |                | $\bot$        |          |          | _        |               |          | $ \bot $     |          |
|          | 46       |          | $\Box T$   | $\Box \Gamma$ | $\Box$  |         |                    |          |          |          | 96       |  |          | LJ   |         |                 |          |     |       | 146      |                |               |          | _        | _        |               |          | $\sqcup$     |          |
|          | 47       |          |  |               |   |         |                    |          |          | L        | 97       |  |          |  |         | $\prod$         |          |     |       | 147      |                | $\bot$        | _        |          | _        |               | _        |              |          |
|          | 48       |          |  |               |   |         |                    |          |          |          | 98       |  |          |  |         |                 |          |     |       | 148      |                |               | $\dashv$ | $\dashv$ | _        |               |          |              |          |
|          | 49       |          |  | 1             | T   |         |                    |          | ]:::     |          | 99       |  |          |  |         |                 |          |     |       | 149      |                | $\Box$        |          | $\perp$  |          |               | [        |              |          |
|          | 50       | Т        |  |               |   |         |                    |          |          |          | 100      |  | T        |  | T       |                 |          |     |       | 150      |                |               | $\perp$  |          |          |               |          |              |          |